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NOTICE OF ALLOWANCE AND FEE(S) DUE

43840

7590

06/22/2009

Waters Technologies Corporation C/O WATERS CORPORATION 34 MAPLE STREET - LG MILFORD, MA 01757

EXAMINER				
VERBITSKY, GAIL KAPLAN				
ART UNIT	PAPER NUMBER			
2855				

DATE MAILED: 06/22/2009

APPLICATION NO.	CATION NO. FILING DATE FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/597,857	08/10/2006	Richard Kent	W-377-02	7236	

TITLE OF INVENTION: A LEAK DETECTOR COMPRISING A SELF-HEATED THERMISTOR CONTROL CIRCUIT

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/22/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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Waters Technologies Corporation C/O WATERS CORPORATION 34 MAPLE STREET - LG				State	eby certify that the es Postal Service we essed to the Mail	is Fee(ith suf Stop	of Mailing or Trans s) Transmittal is bein ficient postage for fir ISSUE FEE address 1) 273-2885, on the c	g deposi st class 1 above,	ted with the United mail in an envelope or being facsimile
MILFORD, MA	A 01757								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONE	FIRMATION NO.
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APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	;	DATE DUE
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· ·	GAIL KAPLAN lence address or indicatio	2855	374-004000 2. For printing on t						
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			registered attorney or agent) and the names of up to						
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	lless an assignee is ident th in 37 CFR 3.11. Comj GNEE	A TO BE PRINTED ON ' ified below, no assignee pletion of this form is NO	data will appear on t T a substitute for filing (B) RESIDENCE: (C	he pa g an a	tent. If an assignussignment. and STATE OR C	OUNT	'RY)		
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43840 75	590 06/22/2009	EXAMINER			
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C/O WATERS CC	RPORATION		ART UNIT	PAPER NUMBER	
34 MAPLE STREET - LG MILFORD, MA 01757		2855			
			DATE MAILED: 06/22/2009		

Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/597.857	KENT, RICHARD			
Notice of Allowability	Examiner	Art Unit			
	Gail Verbitsky	2855			
	Gall Verbitsky	2000			
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate com GHTS . This application i) in this application. If not includ munication will be mailed in due	ed course. THIS		
1. This communication is responsive to <u>04/04/2009</u> .					
2. The allowed claim(s) is/are <u>1-24</u> .					
3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the:		d) or (f).			
1. Certified copies of the priority documents have		them No.			
2. Certified copies of the priority documents have			tion from the		
 Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). 	cuments have been receiv	ved in this national stage applica	tion from the		
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		file a reply complying with the re	quirements		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.				
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Rev	iew (PTO-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment	or in the Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			e back) of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			Note the		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Notice of	Informal Patent Application			
Notice of Neterences Great (1 10-092) Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),			
	Paper N	o./Mail Date			
3. ☐ Information Disclosure Statements (PTO/SB/08), 7. ☒ Examiner's Amendment/Comment Paper No./Mail Date					
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material					
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/Gail Verbitsky/ Primary Examiner, Art Unit 2855					
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EXAMINER'S AMENDMENT

An informal examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claim 17: "VS" in line 12 has been replaced with -Vs--.

Examiner's Statement of Reasons for Allowance

Claims 1-16, 20-24 are allowed because the prior art fail to teach or fairly suggest a leak detector and a method comprising a sensing circuit including a first thermistor adapted to detect a leak upon contact with a liquid, and a second thermistor functioning as a reference device; means for driving said first and second thermistors with a current such that the first and second thermistors operate in self-heated mode at a temperature above an ambient temperature, a comparing means for comparing a voltage at a reference point in said sensing circuit including said first thermistor with a voltage at a reference point in said sensing circuit including said second thermistor and determining leak condition based on the basis of the comparison results, in combination with the remaining limitations of claims 1-16.

Claims 17-19 are allowed because the prior art fail to teach or fairly suggest a control circuit a for a leak detector comprising means for driving said first and second thermistors with a current such that both thermistors operate in self-heated mode at a temperature above an ambient temperature; a control system for controlling said driving means, a comparing means for comparing a voltage at a reference point in said sensing circuit including said first thermistor with a voltage at a reference point in said sensing circuit including said second thermistor and determining leak condition based on the basis of the comparison results, in combination with the remaining limitations of claims 17-19.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited in the PTO-892 and not mentioned above disclose related devices and methods.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gail Verbitsky whose telephone number is 571/272-2253. The examiner can normally be reached on 7:30 to 4:00 ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lisa Caputo can be reached on 571/272-2388. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Gail Verbitsky Primary Patent Examiner, TC 2800

June 16, 2009

/Gail Verbitsky/ Primary Examiner, Art Unit 2855 Application/Control Number: 10/597,857

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